

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all previous versions, and listings, of claims in this application.

Listing of Claims

1. **(Currently amended)** A method for ~~modulating~~ increasing the heme oxygenase level in cells of ~~a transplant organ~~ an organ transplant, comprising:
 contacting cells of ~~a transplant organ~~ an organ transplan with a viral vector encoding a polypeptide having heme oxygenase activity, wherein said viral vector comprises a nucleic acid having at least 80% sequence identity to nucleotides 81-944 of the human heme oxygenase-I nucleic acid sequence of SEQ ID NO:1,
 whereby the heme oxygenase level is increased.
2. **(Original)** The method of Claim 1, wherein said nucleic acid comprises nucleotides 81-944 of the human heme oxygenase-I nucleic acid sequence of SEQ ID NO:1.
3. **(Original)** The method of Claim 1, wherein said contacting is *ex vivo*.
4. **(Original)** The method of Claim 1, wherein said contacting is *in vivo*.
5. **(Currently amended)** The method of Claim 1, wherein said ~~organ transplant~~ organ transplant is an allograft.
6. **(Original)** The method of Claim 5, wherein said allograft is a heart.
7. **(Original)** The method of Claim 5, wherein said allograft is a liver.
8. **(Original)** The method of Claim 5, wherein said allograft is a kidney.
9. **(Original)** The method of Claim 1, wherein said contacting is prior to transplantation of said organ.
10. **(Original)** The method of Claim 1, wherein said contacting is subsequent to transplantation of said organ.
11. **(Currently amended)** The method of Claim 1, wherein said contacting is by direct injection of said viral vector into said ~~transplant organ~~ organ transplant.

12. **(Currently amended)** A method for ~~modulating~~ increasing the heme oxygenase level in cells of an organ transplant, comprising:
 contacting cells of an organ transplant with an adenoviral vector comprising a nucleic acid encoding a polypeptide with at least 80% amino acid sequence identity with the human heme oxygenase-I encoded by nucleotides 81-944 of the nucleic acid sequence of SEQ ID NO:1, wherein said polypeptide has heme-oxygenase activity, and
 whereby ~~level~~the level of heme oxygenase is increased.
13. **(Original)** The method of Claim 12, wherein said polypeptide comprises human heme oxygenase encoded by nucleotides 81-944 of the nucleic acid of SEQ ID NO:1.
14. **(Original)** The method of Claim 12, wherein said contacting is *ex vivo*.
15. **(Original)** The method of Claim 12, wherein said contacting is *in vivo*.
16. **(Original)** The method of Claim 12, wherein said organ transplant is an allograft.
17. **(Original)** The method of Claim 16, wherein said allograft is a heart.
18. **(Original)** The method of Claim 16, wherein said allograft is a liver.
19. **(Original)** The method of Claim 16, wherein said allograft is a kidney.
20. **(Original)** The method of Claim 12, wherein said contacting is prior to transplantation of said organ.
21. **(Original)** The method of Claim 12, wherein said contacting is subsequent to transplantation of said organ.
22. **(Currently amended)** The method of Claim 12, wherein said contacting is by direct injection of said ~~viral~~ adenoviral vector into said organ.